

Annex G. SAR Test Result

SAR Results for Head / Body / Extremity Exposure Condition.

Note:

1. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.
2. Output power used during testing has been reduced by a factor proportional to the source-based duty factor of 11.5%. Duty factor represents the worst-case for all modes of operation supported by the EUT.
3. SAR was further verified by measuring with EUT operating at original full power using 100% duty cycle and then applying the source-based duty cycle factor of 11.5%. The difference between the two SAR analysis methods was ≤ 0.10 W/kg.

Head SAR Test Result

System & Position					DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Channel	Ant Type	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	ISM	MSK	Right Cheek	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.08	0.036	0.04
	ISM	MSK	Right Tilted	1	HS Long	100.00	1.00	19.50	19.49	1.00	-0.02	0.085	0.09
	ISM	MSK	Left Cheek	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.01	0.053	0.05
	ISM	MSK	Left Tilted	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.13	0.147	0.15
	ISM	MSK	Left Tilted	25	HS Long	100.00	1.00	19.50	18.99	1.12	0.05	0.145	0.16
1	ISM	MSK	Left Tilted	50	HS Long	100.00	1.00	19.50	19.26	1.06	0.08	0.164	0.17
	ISM	MSK	Right Cheek	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.03	0.175	0.18
2	ISM	MSK	Right Tilted	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.06	0.425	0.43
	ISM	MSK	Left Cheek	1	HS Short	100.00	1.00	19.50	19.49	1.00	-0.11	0.232	0.23
	ISM	MSK	Left Tilted	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.05	0.392	0.39
	ISM	MSK	Right Tilted	25	HS Short	100.00	1.00	19.50	18.99	1.12	0.02	0.331	0.37
	ISM	MSK	Right Tilted	50	HS Short	100.00	1.00	19.50	19.26	1.06	0.07	0.334	0.35

Body SAR Test Result

System & Position						DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Type	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	ISM	MSK	Front Face	10	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.11	0.266	0.27
3	ISM	MSK	Rear Face	10	1	HS Long	100.00	1.00	19.50	19.49	1.00	-0.03	0.311	0.31
	ISM	MSK	Rear Face	10	25	HS Long	100.00	1.00	19.50	18.99	1.12	-0.02	0.268	0.30
	ISM	MSK	Rear Face	10	50	HS Long	100.00	1.00	19.50	19.26	1.06	0.09	0.164	0.17
	ISM	MSK	Front Face	10	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.02	0.367	0.37
	ISM	MSK	Rear Face	10	1	HS Short	100.00	1.00	19.50	19.49	1.00	-0.07	0.138	0.14
	ISM	MSK	Front Face	10	25	HS Short	100.00	1.00	19.50	18.99	1.12	0.13	0.386	0.43
4	ISM	MSK	Front Face	10	50	HS Short	100.00	1.00	19.50	19.26	1.06	0.01	0.414	0.44

Extremity SAR Test Result

System & Position														
DUT & Accessory						SAR								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Type	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	ISM	MSK	Front Face	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	-0.08	0.123	0.12
	ISM	MSK	Rear Face	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.02	0.11	0.11
	ISM	MSK	Left Side	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.01	0.039	0.04
5	ISM	MSK	Right Side	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	-0.03	0.205	0.21
	ISM	MSK	Top Side	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	0.05	0.044	0.04
	ISM	MSK	Bottom Side	0	1	HS Long	100.00	1.00	19.50	19.49	1.00	0	<0.001	0.00
	ISM	MSK	Right Side	0	25	HS Long	100.00	1.00	19.50	18.99	1.12	0.02	0.165	0.18
	ISM	MSK	Right Side	0	50	HS Long	100.00	1.00	19.50	19.26	1.06	0.12	0.174	0.18
	ISM	MSK	Front Face	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.05	0.372	0.37
	ISM	MSK	Rear Face	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.03	0.252	0.25
	ISM	MSK	Left Side	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	-0.11	0.274	0.27
6	ISM	MSK	Right Side	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	-0.03	0.401	0.40
	ISM	MSK	Top Side	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.09	0.058	0.06
	ISM	MSK	Bottom Side	0	1	HS Short	100.00	1.00	19.50	19.49	1.00	0.12	0.053	0.05
	ISM	MSK	Right Side	0	25	HS Short	100.00	1.00	19.50	18.99	1.12	0.05	0.34	0.38
	ISM	MSK	Right Side	0	50	HS Short	100.00	1.00	19.50	19.26	1.06	-0.07	0.302	0.32